BRUHATH BANGALORE MAHANAGARA PALIKE

NAME OF WORK : Construction of Toilets inside the J.P Park in Ward No- 17, BBMP, Bangalore

Sl No	Description of work	Unit	No	No	Dimensions L	B	D	Quantity	Rate in Rs.	Amount in Rs.
1	Earthwork in surface excavation in **ordinary soil** for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeeding 50 m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and nealty dressed as per specifications									
	(P.No.5, I.No.2.1 of PW,P & IWTD S.R 2018-19)	**Cum**	4	1	15.00	8.00	0.23	111.36		
							Say	111.40	**169.56**	**18888.98**
2	KSRB -2-2.1 : Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, **in ordinary soil** not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. after breaking of clods complete as per specifications	**Cum**								
	(P.No.5, I.No.2.3 of PW,P & IWTD S.R 2018-19)									
	For Footigs									
	F1		4	2	11.30	1.15	1.20	124.75		
	F2		4	2	7.40	1.15	1.20	81.70		
	C/C Length of Load Bearing Wall		4	1	5.70	0.75	0.75	12.83		
			4	6	1.50	0.75	0.75	20.25		
								239.52		
							Say	239.60	**322.92**	**77371.63**
3	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @ 180 kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 5.75 cum machine mixed, concrete laid in layers not exceeding 15 cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specification	**Cum**								
	(P.No.12, I.No.4.3 of PW,P & IWTD S.R2018-19)									
	For Footigs									
	F1		4	2	11.30	1.15	0.15	15.59		
	F2		4	2	7.40	1.15	0.15	10.21		
	C/C Length of Load Bearing Wall		4	1	5.70	0.20	0.15	0.68		
			4	6	1.50	0.20	0.15	1.08		
								27.57		
							Say	27.60	**5510.16**	**152080.42**
4	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @320kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walla (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, structs, buttresses, string or lacing courses, parpets, coping, bed blocks, anchor, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing complete as per specification. Specification No. KBS 4.1, 4.6 (P.No. 13/4.11)	**Cum**								
	(P.No.13, I.No.4.11 of PW,P & IWTD S.R 2018-19)									
	Ground Floor									
	Plinth Beam									
	PB (150 x 300mm)		4	2	12.25	0.15	0.30	4.41		

	Description of work	Unit	No	No	Dimensions L	B	D	Quantity	Rate in Rs.	Amount in Rs.
			4	3	6.05	0.15	0.30	3.27		
			4	6	1.50	0.15	0.30	1.62		
								9.30		
	Lintels Above									
	D1		4	2	1.20	0.15	0.15	0.22		
	D2		4	6	0.90	0.15	0.15	0.49		
			4	1	1.05	0.15	0.15	0.09		
	V		4	6	0.90	0.15	0.15	0.49		
								1.28		
	Roof Beam									
	B1 (150 x 300mm)		4	1	37.00	0.15	0.175	3.89		
								3.89		
	Roof Slab		4	1	12.6	6.600	0.15	49.90		
								49.90		
								64.36		
								Say **64.40**	**6528.60**	**420441.84**
5	Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides & soffits of **beams,** beam hauncing cantilever girders, bressumers & **lintels** & not exceeding 1.0 in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2	**Sqm**								
	(P.No.16, I.No.4.34 of PW,P & IWTD S.R2018-19)									
	For Ground floor									
	Plinth Beam									
	PB (150 x 300mm)		4	4	12.25	--	0.3	58.80		
			4	6	6.05	--	0.3	43.56		
			4	12	1.50	--	0.3	21.60		
	Roof Beam									
	B1 (150 x 300mm)		4	2	37.00	--	0.175	12.95		
	Lintels Above									
	D1		4	2	2.4	--	0.15	2.88		
	Base		4	2	0.9	0.15	--	1.08		
	D2		4	6	1.8	--	0.15	6.48		
	Base		4	6	0.6	0.15	--	2.16		
	V		4	6	1.8	--	0.15	6.48		
	Base		4	6	0.6	0.15	--	2.16		
								158.15		
								Say 158.20	**315.36**	**49889.95**
6	Providing and removing **centering, shuttering,** strutting, propping etc., and removal of form work **for flat surface** such as suspended floors, **roofs, landings, balconies** and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.3									
	(P.No.15, I.No.4.30 of KPWD S.R 2018-19)									
	Roof Slab		4	1	12.60	6.60	--	332.64		
	Edge		4	2	12.60		0.15	15.12		
			4	2	6.60		0.15	7.92		
								355.68		
								Say 355.70	**475.20**	**169028.64**
7	Providing and laying in position reinforced cement cocnrete of design mix M20 with OPC cement @ 27.20 Kgs with 12mm & down sizes graded grantie metal coarse aggregated @ 0.5865 cum & fine aggregates, @ 0.391 Cum with super super plastisiser @ 0.225 Ltrs maichine mixed well compacted **plain chajja 8.50 Cms** avg thickness, up to ground floor level including removing centering, shuttering, strutting, propping etc., and removal of form work for cost of all materials, laobur HOM of machinary, curing complete as per specification.	**Sqm**								
	(P.No.14, I.No.4.19 of PW,P & IWTD S.R 2018-19)									
	Toilet									
	D		4	2	0.90	0.30	--	2.16		
	V		4	6	0.60	0.30	--	4.32		
								6.48		
								Say 6.50	**475.20**	**3088.80**

BBMP

	Description of work	Unit	No	No	Dimensions			Quantity	Rate	Amount
					L	B	D		in Rs.	in Rs.
	Providing and **removing centering,** shuttering, rutting, propping etc., for **chajjas**, corbels of all shapes & sizes, at all elevations & heights.									
	(P.No.17, I.No.4.37 of PW,P & IWTD S.R 2018-19)									
	Toilet									
	D		4	4	0.9	0.3	--	4.32		
	V		4	12	0.6	0.3	--	8.64		
								12.96		
9	Providing **TMT Steel reinforcement** for RCC works including straightening, cutting, bending, hooking, placing in position lapping and / or welding wherever required, tieng with binding wire and anchoring to the adjoining members wherever necessary, complete as per design (laps, hooks and wastage shall not be measured and paid) cost of all materials, labour, HOM of machineries etc., complete as per specifications. Specification No.KBS 4.6.3. **FOR TMT Bars Fe-500**						Say	13.00	**348.84**	**4534.92**
	(P.No.17 I.No.4.46.2 of KPWD S.R 2018-19)	**Tonne**								
	For Toilet									
	For Plinth Beams **145 Kg/Cum**						145.00	1348.07		
	For Lintel **120 Kg/Cum**						140.00	179.55		
	For Roof Beams 140 **Kg/Cum**						140.00	543.90		
	For Roof Slabs 95**Kg/Cum**						95.00	4740.12		
								6811.64		
								6.812		
10	Providing & Constructing Granite/ trap/basalt size stone Masonary in basement with Cement morter 1:8 edges of stone chistle dressed in courses not less than 15 cms high, bond stones at two mtr apart in each course including cost of all materials, labour, curing complete as per specifications						Say	6.82	**76643.28**	**522707.17**
	(P.No.23, I.No.5.9of PW,P & IWTD S.R 2018-19)	**Cum**								
	Ground Floor									
	For First Course		4	2	13.00	0.60	0.60	37.44		
			4	2	5.30	0.60	0.60	15.26		
	For Second Course		4	2	12.85	0.45	0.45	20.82		
			4	2	5.45	0.45	0.45	8.83		
			4	1	5.70	0.45	0.45	4.62		
			4	6	1.50	0.45	0.45	7.29		
								94.26		
11	**Filling available excavated earth (excluding rock)** in sides of foundations upto plinth in layers not exceeding 20 cms. In depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5m. Inluding cost of all labour complete as per speicifications.No.KBS 2.9						Say	94.30	**5921.64**	**558410.65**
	(P.No.6, I.No.2.10 of PW,P & IWTD S.R 2018-19)	**Cum**								
	For Footings Only 40% of Qty			--	--	--	--	95.84		
							Say	95.90	**217.08**	**20817.97**
12	**Providing and constructing Pre cast solid blocks with** Compressive strength not less than 35 kg/ sqm with cement morter 1:4 masonary (quion, Jamb, closer block) with solid concrete blockx of size **40 x 15 x 20 cms** confirming to IS 2185/1965 in super structures including cost of materials, labour charges, scaffolding, curing complete as per specifications.									
	(P.No.27, I.No.5.26.2.1of KPWD S.R 2018-19)	**Sqm**								
	Ground Floor									
	C/C Length of Load Bearing Wall		4	2	12.40	--	2.70	267.84		
			4	2	5.90		2.70	127.44		
			4	1	5.70		2.70	61.56		
								456.84		
	Deduction of openings.									
	D1		4	3	0.90	--	2.1	22.68		

BBMP

	Description of Work		Unit	No	No	Dimensions L	B	D	Quantity	in Rs.	in Rs.
		V		4	6	0.60		0.6	8.64		
									-31.32		
								Net Qty	425.52		
								Say	426.00	**997.92**	**425113.92**
13	Providing & constructing non load bearing walls cemect **concrete solid blocks** with compressive strength not less than 35 kg/sqm with cement morter 1:4 (jamb, closer blocks) with blocks of size **40X10X20**. (LXBXH) confirming to I.S. : 2185/1965 in super structure including cost of materials, labour charges, scaffolding, curing complete as per specification		**Sqm**								
	(P.No.27, I.No.5.28 of KPWD S.R 2018-19)										
	Ground Floor										
	C/C Length of Non Load Bearing Wall (Partition Wall)			4	6	1.50	--	2.10	75.60		
	Deductions for openings										
	Openings			4	-6.00	0.90	--	2.10	-45.36		
									30.24		
								Say	30.30	**875.88**	**26539.16**
14	Providing 18mm thick cement plaster in single coat with cement mortor 1:3 to Brick masonary including rounding off corners wherver required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.		**Sqm**								
	(P.No.116, I.No.15.15 of PW,P & IWTD S.R2018-19)										
	For Out Side										
	Ground floor										
	Total Length For Walls			4	1	37.40	--	3.000	448.80		
	Total Qty of Chajja's			4	1	6.50			26.00		
									474.80		
	Deductions for openings										
	D	-0.5		4	2.00	0.90	--	2.10	-7.56		
	V	-0.5		4	6.00	0.60	--	1.20	-8.64		
								Net Qty.	458.60		
								Say	458.60	**298.08**	**136699.49**
15	Providing **18mm** thick cement plaster in single coat with cement mortor **1:4, to brick masonry** including rounding off corners wherver required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(**internal**)		**Sqm**								
	(P.No.116, I.No.15.16 &15.33 of KPWD S.R2018-19)										
	Toilet										
	--										
	Long Wall			4	2	12.20	--	2.875	280.60		
	Short Wall			4	4	5.70	--	2.875	262.20		
	Wc			4	12	1.50	--	2.100	151.20		
				4	2	10.22	--	2.10	171.70		
	Total								865.70		
	Deduction										
	D1	-1		4	2.00	0.90	--	2.10	-15.12		
	D2	-1		4	6.00	0.75	--	2.10	-37.80		
	V	0.5		4	6.00	0.60	--	1.20	8.64		
									-44.28		
								Net Qty	821.42		
								Say	821.50	**281.88**	**231564.42**
16	Providing 12mm thick cement plaster in single coat with cement mortor 1:3, to **ceiling** including rounding off corners wherver required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.										
	(P.No. 116 I.No.15.21 & 15.33 of PW,P & IWTD S.R2018-19)		**Sqm**								
	For ceiling										
	Ground Floor			4	1	12.20	5.70	--	278.16		
									278.16		
								Say	279.00	**253.80**	**70810.20**

BBMP

	Description of work	Unit	No	No	Dimensions L	B	D	Quantity	Rate in Rs.	Amount in Rs.
	Providing INTEGRAL CRYSTALINE Waterproofing treatment to the sunken portion of toilets. Using Crystalline Slurry of approved make @ 1.40 kg per SQM in two coats (0.7 Kg per coat) confirming to ASTM S 1202 & DINV 18998 standards.									
	(P.No.268 I.No.38.11 of KPWD S.R 2018-19)	Sqm								
	Toilet Slab		4	1	12.2	5.7		278.2	**464.40**	**129177.50**
18	Providing and fixing of factorymade 30 mm P V C door frame of size 50x47 mm with a wall thickness of 5 mm made out of extrued 5 mm rigid PVC foamsheet metered cut at cornwers & jointed 2 nos 150 mm long brackets of 15 x 15 mm MS Square tube, the entire door frame to be reinforced with 19 x 19 m square tube of 19 gauge. the door frame to be fixed to the wall using MS screws of 65 /80 mm size complete as per manufacturers specification& directions of Engineer in charge.									
	(P.No.60, I.No.9.84 of KPWD S.R 2018-19)	**Sqm**								
	Ground floor									
	D2		4	1	0.90	--	2.10	7.56		
			4	6	0.75	--	2.10	37.80		
							Say	45.36	**505.44**	**22926.76**
19	Providing & fixing 30mm thick factory made **rigid foam Panelled Door** Shutters made from M.S. tube of 19 gauge thickness, size 19 x 19mm for styles and 15 x 15mm for top and bottom rails, covered with heat moulded PVC channel of 5mm thick sheet & 30 x 50mm wide to form styles & 5mm thick & 75mm wide PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick 20mm wide PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet fitted in the M.S. Frame, Sealed to the styles & rails with 5 x 30mm PVC sheet beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer-in-charge fixed to frames with 3 nos of 75 mm Aluminium hinges.									
	(P.No.60, I.No.9.93 of KPWD S.R 2018-19)									
	Ground floor									
	D2		4	1	0.90	--	2.10	3.60		
	D2		4	6	0.75	--	2.10	37.80		
								41.40		
							Say	41.40	**2999.16**	**124165.22**
20	KSRB 7.7 : Providing and fixing in position in cement concrete 1:3:6 steel glazed windows and ventilators side hung/top hung fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 kg/m both for outer and inner frames and central mullion section of size 25x46x3mm weighing 2.28 Kg/m duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows not more than 34 cms. c to c including providing and fixing 4mm. thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S. 7452 : 1990, 4nos, of holdfasts of approved size, section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corosive paint and finishing with two coats of ready mix paint of approved colour and make including cost of materials, fixtures,	**Sqm**								
	(P.No.34, I.No7.7of PW,P & IWTD S.R 2018-19)	Sqm								
	Ground floor									
	V		4	6	0.60	---	0.60	2.16		
								2.16		

BBMP

	Description of work	Unit	No	No	Dimensions L	B	D	Quantity	Rate in Rs.	Amount in Rs.
	SRB 8.2 : Providing and fixing in position black cuddapah slab / Shahabad Slab/Thandur blue slab 4 cms thick for roofing laid to line and level over wooden rafters or RCC battens pointing exposed joints with cement mortar 1:4 including cost of materials, labour, curing complete as per specifications.						Say	2.20	4209.84	9261.65
	(P.No.48 I.No.8.2 of PW,P & IWTD S.R 2018-19)									
	Urian									
	For Side		4	5	1.20	1.50	--	36.00		
	Hand Wash		4	1	1.80	0.50	--	3.60		
	for Support		4	2	1.00	0.50	--	4.00		
								43.60		
							Say	43.60	686.88	29947.97
22	Providing **ceramic tiles** of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick cement mortor 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications. size 30x30cms	Sqm								
	(P.No.108 I.No.14.36.1 of PW,P & IWTD S.R 2018-19)									
	Ground floor									
	Hand Wash		4	2	1.8	1.5	--	21.60		
			4	2	2.4	6.9	--	132.48		
	W/C		4	2	2.2	6.9	--	121.44		
	Skirting 15 %		4	6	1.20	1.50	--	43.20		
								47.81		
								366.53		
							Say	367.00	1306.80	479595.60
23	KSRB 14-17.2: Providing skirting, dado, rises of steps with **colour glazed tiles** on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications.	Sqm								
	Colour glazed tiles 15×15cms 6mm thick with border of size 15×15x6cms.									
	(P.No.109 I.No.14.41.1 of PW,P & IWTD S.R 2018-19)									
	Ground floor									
	Hand Wash		4	2	1.80	--	0.50	7.20		
	For WC		4	6	5.40	--	0.60	77.76		
								84.96		
	Deducations									
	D2		4	-6	0.75		1.00	-4.50		
								-4.50		
								80.46		
							Say	80.50	1377.00	110848.50
24	KSRB 15.14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications									
	(P.No.119, I.No.15.49 of PW,P & IWTD S.R 2018-19)									
	Ground Floor									
	Qty same as inside plastering	Sqm		--	--	--	--	821.50		
	Deduct tiles & granite cladding area							-80.50		
								741.00		
							Say	741.00	118.80	88030.80

	Description of work	Unit	No	No	Dimensions L	B	D	Quantity	Rate in Rs.	Amount in Rs.
	KSRB 15.14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on **Ceiling** surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.									
	(P.No.119, I.No.15.49& 15.50.2 of PW,P & IWTD S.R 2018-19)									
	Same as internal & wide item no 13									
	Ground Floor									
	Qty same as inside plastering									
		Sqm		--	--	--	--	279.00		
								279.00		
							Say	279.00	**127.44**	**35555.76**
26	KSRB 15.16 : Water proof cement paint KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint with primer of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. (P.No.124/15.53.2) '--do with Primer--									
	(P.No.120, I.No.15.53.2 of PW,P & IWTD S.R 2018-19)	**Sqm**								
	Ground floor									
	Qty same as outside plastering									
				--	--	--	--	458.60	110.16	**50519.38**
{B}	**PLUMBING AND SANITARY WORKS**									
	SANITARY FIXTURES									**3968017.31**
27	KSRB 11-3 : Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580mm with footrests, 100mm S or P trap, (approved make) cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.									
	(P.No.79, I.No.12.3 of KPWD S.R2018-19)	Each								
			4	3				12.00		
							Say	12.00	**1437.48**	**17249.76**
28	KSRB 11-7.1 : Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm with 5 litres PVC automatic flushing cistern, C.I / M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11									
	(P.No.80, I.No.12.7 of KPWD S.R2018-19)	Each								
			4	3				12.00		
							Say	12.00	**3317.76**	**39813.12**
29	Providing & fixing CI Nahani trap of approved make confirming to ISI specification and construction of cistren in M 15 as per directions									
	1. 10.0 cms x 7.5 cms	Each								
	(P.No.90, I.No.12.113 of KPWD S.R 2018-19)		4	2				8.00		
							Say	8.00	**270.00**	**2160.00**
30	Providing and fixing in position **CP bib cock** of approved quality 20 mm nominal bore including cost of all materials, labour and HOM of equipments with alll leads complete as per specifications.									
	(P.No.93, I.No.13.24 of KPWD S.R2018-19)	Each								
	All floors		4	2				8.00		
							Say	8.00	**186.84**	**1494.72**

	Description of work	Unit	No	No	Dimensions			Quantity	Rate	Amount
					L	B	D		in Rs.	in Rs.
	KSRB 11-11.4 : Providing and fixing white vitreous china clay, flat back wash basin size 550x400mm with a single 15mm C.P brass pillar tap with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11									
	(P.No.83, I.No.12.26 of PW, P& IWTD SR 2018-19)	Nos	4	2				8.00	3262.68	26101.44
	INTERNAL SEWERAGE SYSTEM									
32	KSRB 13-9 : Providing and fixing to wall, ceiling and floor , Medium density polyethylene pipes 6.00 kgf /sqcm working pressure ---- mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor in									
	a) 75 mm dia									
	(P.No.96, I.No.13.70.3 of KPWD S.R 2018-19)	M	4	1	4			16.00	**352.08**	**5633.28**
	b) 90 mm dia									
	(P.No.96, I.No.13.70.3 of KPWD S.R 2018-19)	M	4	1	7			28.00	410.40	**11491.20**
	c) 110 mm dia									
	(P.No.96, I.No.13.70.4 of KPWD S.R 2018-19)	M	4	1	5			20.00	486.00	**9720.00**
	INTERNAL WATER SUPPLY SYSTEM									
33	KSRB13 .85: Providing and fixing to wall, ceiling and floor chlorinated poly vinyl chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all cpvc plain and brasss threaded fittings including fixing thepipes with the clamp at 1.00mtr spacing . This includes joining of pipes fittings with one set of cpvc solvent cement and testing of joints complete (Internal works) (Concealed work including cutting chases and good the walls etc.)									
	A)15mm dia pipe nominal OD pipes	M	4	1	3			12.00	**222.48**	**2669.76**
	(P.No.99, I.No.13.86.1 of KPWD S.R2018-19)									
	B)20 mm dia pipe nominal OD pipes	M	4	1	10			40.00	253.80	**10152.00**
	(P.No.99, I.No.13.86.2 of KPWD S.R 2018-19)									
34	KSRB 13-6.3-1: Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) NB including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification no: KBS 13.2.6/									
	a) of 20mm dia	Nos	4	1	3			12.00	362.88	**4354.56**
	(P.No.93, I.No.13.33 of KPWD S.R 2018-19)		4	1	2			8.00	484.92	**3879.36**
	b) of 25mm dia									
	(P.No.93, I.No.13.34 of KPWD S.R 2018-19)									
35	Polyethylene water storage tank of specified capacity and make									
	(P.No.XXVI, I.No.679 of PW, P& IWTD SR 2018-19	Nos	4	1	200			800.00	**5.08**	**4064.00**
	500 ltrs									
	EXTERNAL WATER SUPPLY									
36	KSRB13 .87: Providing and fixing to wall, ceiling and floor chlorinated poly vinyl chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all cpvc plain and brasss threaded fittings including fixing thepipes with the clamp at . This includes joining of pipes fittings with one set of cpvc solvent cement and testing of joints complete **(External works)**									
	20 mm dia pipe nominal OD pipes	Mtr	4	1	5			20.00	**157.68**	**3153.60**
	(P.No.99, I.No.13.87.2 of KPWD S.R2018-19)									
	25 mm dia pipe nominal OD pipes	Mtr	4	1	20			80.00	**193.32**	**15465.60**

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	Description of work	Unit	No	No	Dimensions L	B	D	Quantity	Rate in Rs.	Amount in Rs.
	P.No.97, I.No.13.87.3 of KPWD S.R 2018-19)									
	E. TERNAL SEWERAGE SYSTEM									
	KSRB 13-9 : Providing and fixing to wall, ceiling and floor , **high density** polyethylene pipes **6.00 kgf /sqcm working pressure 110 mm** outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor in									
	b) 110 mm dia	Mtr	4	1	5			20.00	253.80	5076.00
	(P.No.94, I.No.13.71 of KPWD S.R2018-19)									
38	Providing stone ware gully trap of approved quality and fixing in C C 1:2:4 and plastering with C M 1:3 where ever necessary (Rate including cost of all materials, fixtures and lead).									
	(P.No.88, I.No.12.112 of KPWD S.R 2018-19)	Each								
	Size: 15 cm x 10 cm		4	1	2			8.00	205.20	1641.60
39	KSRB 12-8.1 : Constructing brick masonry inspection chamber 450x450mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover with frame (light duty) 455x450 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M15 with 20mm and downsize granite metal, foundation concrete M5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications.									
	(P.No.73, I.No.11.50.2 of KPWD S.R 2018-19)	Each	4	2	1			8.00	9169.20	73353.60
	Plumbing & Sanitary Wks							237473.60		240978.24
									Sub Total	4205490.06
									ADD 5 % TP	2,10,274.50
									ADD 12 % GST	5,29,891.75
									Add 1 % PMC Charges	50,000.00
									MISCELLANEOUS & Rounding Off	4,343.69
									Grand Total	50,00,000.00

CERTIFICATE

1 **Certified that this estimate is prepared based on KPWD SR of Bangalore Circle for the year 2018-19 ,ESR 2019-20 & prevailing market rates for most Economical & safe way of executing the work as per the design and drawings, Quantities & Estimates submitted by the Architect**

2 **Certificate that, the work spot has been inspected by me & prepared the estimate is most economical way of Excuting the work**

Asst. Engineer
Ward-17
BBMP

Asst Exec Engineer
Yeshwanthpura Sub Division
BBMP

Exec. Engineer
RR Nagar Division
BBMP

Executive Engineer
Rajarajeshwari Nagara Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 054.

ನಂ. 288 ದಿನಾಂಕ: 17/02/2020
ರೂ. 50.00 lakhs (fifty lakh only)
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಕಾವೇರಿ ಭವನ
ಬೆಂಗಳೂರು-72

5000000/- (Rs Fifty Lakhs only)

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P.N. 154-155

598/19-20

19 conditions contained in enclosed ... No. 598/19-20 Date. 25/2/2020

CE (R.R.N.)

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